ODTU-Bilkent Algebraic Geometry

Computation of automorphism groups of Enriques surfaces

By

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Abstract: By Torelli's theorem for K3 surfaces, the automorphism group of a complex Enriques surface is determined by the Hodge structure of the covering K3 surface. However, in many cases, explicit computations are very heavy and practically infeasible.

We give a method by which one can compute a finitely generated set of automorphism groups of various Enriques surfaces and their nef cones.

This is a joint work with Simon Brandhorst.

Date: 17 December 2021, Friday
Time: 15:40 (GMT+3)
Place: Zoom

To request the event link, please send a message to sertoz@bilkent.edu.tr